

	عمر محمد صديق المنشاوي	الاسم Name
	Assistant Professor	اللقب العلمي Academic Title
	Cytology and Histology	التخصص الدقيق Specialization Field
Histopathological changes induced by heavy metals .ultrastructural biomarkers in different animals tissue for assessment pollution in environment .		الاهتمامات البحثية Current Research Interests

## C. V

Dr. Omar Elmenshawy

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### **Personal Information:**

**Name:** Omar Mohammad Saddik Elmenshawy

**Nationality:** Egyptian

**Date of Birth:** 29-7-1959

**Gender:** Male

**Marital status:** Married

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### **Academic Background :**

- 1982: BSc in Zoology, Faculty of science, Al-Azhar University.
- 1988: MSc in Zoology, Faculty of science, Al-Azhar University.
- 1992 PhD in Cytology and Histology, Faculty of science, Al-Azhar University.

### **Training courses:**

- 1995: Theoretical and practical training course in principles of plasmid transfer in genetic engineering
- 1995: Theoretical and practical training course in transmission electron microscope.

### **Professional Membership:**

- The Egyptian Society of Cytology and Histology.
- The Egyptian Society of Ornithology.
- Saudi Biological Society .

### **Research projects:**

- **2007-2008 (PI):** Limnological studies on Al- Asfar wetland lake , Al-Ahssa , Saudi Arabia. Funded by the Deanship of Scientific Research, King Faisal University.
- **2008-2009 (CO-I):** Terrestrial and aquatic insects as bioindicators for environmental pollution at Al-Hassa province. Funded by the Deanship of Scientific Research, King Faisal University.
- **2010-2011 (PI):** Survey on Freshwater Snails and Their Occurrence as Intermediate Host of Parasites in Al-Ahsa Province, Saudi Arabia. Funded by the Deanship of Scientific Research, King Faisal University.
- **2010-2011 (CO-I):** Histopathological and ultrastructural biomarkers in the fish for assessment of biological effects of heavy metal pollution in Al-Hassa inland waters. Funded by the Deanship of Scientific Research, King Faisal University.
- **2010-2011 (CO-I):** Survey for mosquitoes, determination of their insecticide resistance and evaluating capacity of botanical oils as safe alternative for insecticides in Al-Hassa province, Saudi Arabia. Funded by the Deanship of Scientific Research, King Faisal University.
- **2011-2012 (CO-I):** Inhibitory effects of *Curcuma longa* on experimentally-induced inflammatory responses in albino rats: Immunological and histological studies. Funded by the Deanship of Scientific Research, King Faisal University.
- **2012-2013 (PI):** Stress response of the aquatic ecosystem in Al-Asfar Lake, Al-Hassa, Saudi Arabia. Funded by the Deanship of Scientific Research, King Faisal University.
- **2012-2013 (CO-I):** Therapeutic potential of hemin against the anticancer drug, cisplatin-induced oxidative stress and nephrotoxicity in rats. Funded by the Deanship of Scientific Research, King Faisal University.
- **2012-2013 (CO-I) :** Spinosad as an alternative bioinsecticide for controlling the red palm weevil *Rhynchophorus ferrugineus* Oliver. Funded by the Deanship of Scientific Research, King Faisal University.
- **2013-2014 (PI) :** Neurotoxic and reproductive effects of imidacloprid on the red palm weevil *Rhynchophorus ferrugineus* (Coleoptera:Curculionidae) under laboratory conditions: Biochemical and pathological studies. Funded by the Deanship of Scientific Research, King Faisal University.
- **2013-2014 (CO-I) :** Physiological and cellular changes in Arabian Gulf fish as potential bioindicators of environmental pollution. Funded by the Deanship of Scientific Research, King Faisal University.

### **List of Publications:**

Abdel-Moneim AM, Al-Kahtani M, Mohamed A. Al-Kahtani, Omar M. Elmenshawy, (2012) Histopathological biomarkers in gills and liver of

- Oreochromis niloticus from polluted wetland environments, Saudi Arabia. Chemosphere ,( 88)1028-1035.
- Abou-Zeid MM, Elmenshawy OM, El-Nabarawy SK (1995) The Changes Induced By Benzoquinone on Rat Serum Albumin Electrophoretic Profile. Al- Azhar Bull Sci 6: 631-636.
- Ali MO, Hammouda E.M, Elmenshawy OM (1990) Teratogenic Effect of The Anticarcinogenic Drug (Cisplatin) On The Embryonic Development of Rat.ProcZoolSoc ARE 21: 253-265.
- Ali MO, Hammouda EM, Elmenshawy OM (1990) The effect of Cisplatin On The Chromosomes Of Bone Marrow cells of Female Rats. Cell Biology International Reports Vol. 14.
- Ali MO, Hammouda EM, Elmenshawy OM, (1990) Teratogenic effect of the anticarcinogenic drug on the embryonic development of Rats. Cell Biology International Reports Vol.14.
- Ali MO, Saber SA, Elmenshawy OM, El-Bakary Z, Sarhan M (2001): A Comparative Morphological Study of The Pectinesof Three Scorpion Species (Scorpionidae, Buthidae) From Assiut, Egypt. Serket 7: 94-105.
- Ali MO, Sharaf El-Din UA, Elmenshawy OM, Bakry S (2002)Fluoxetine-HCl Induced Intrauterine FetalGrowth Retardation And Skeletal Malformations. TIAFT, 26-30 August 2002, Paris, France.
- Ali MO, Sharaf El-Din UA, Elmenshawy OM, Bakry S (2002)Fluoxetine-Hcl Induced Intrauterine Fetal Growth Retardation and Skeletal Malformation In Pregnant Mice. The Egyptian Journal of Hospital Medicine 6: 63-79.
- Alzahrani, A.M., Abdelsalam, S.A., Elmenshawy, O.M., Abdel-Moneim, A.M.(2013) Ultrastructural characteristics of spermiogenesis in *Rhynchophorus ferrugineus* (Coleoptera: Curculionidae)Florida Entomologist 96(4): 1463-1469.
- EssamShalan, SalaheldinAbdelsalam,Elmenshawy OM, Al-Kahtani M (2011) The 26<sup>th</sup> Meeting of Saudi Biological Society, "Climatic Changes and Biodiversity", Taif University, 10-12 May, 2011.
- Gamal Ramadan and Omar M. Elmenshawy, Protective effect of ginger-turmeric rhizomes mixture on joint inflammation, atherogenesis, kidney dysfunction and other complications in a rat model of human rheumatoid arthritis. International Journal of Rheumatic Diseases (2013);16: 219-229
- Hammouda EM, Sharf El-Din UA, Elmenshawy OM, (1993) Histological Changes Induced By The Flour Infested With The Secretion Of Different Beetles And Methyl Benzoquinone on The Liver And Kidney of Male Mice. Proc Zool Soc ARE 24: 257-268.
- Hammouda EM, Sharf El-Din UA, Elmenshawy OM, (1993) Nucleic Acids And Glycogen Content of Liver And Kidney In Mice After Treatment With Infested Flour Extract And Methyl-Benzquinone . Proc Zool Soc ARE 24: 233-245.
- Mohamed A. Al-Kahtani,<sup>1</sup> Ashraf M. Abdel-Moneim, Omar M. Elmenshawy, and Mohamed A. El-Kersh,(2014). Hemin Attenuates Cisplatin-Induced Acute Renal Injury in Male Rats. Oxidative Medicine and Cellular Longevity 2014:1-9
- Omar Elmenshawy, El-Sayed Hammouda , MagdyBarakat (2014) The 29th Meeting of Saudi Biological Society," Histological Study on Effect of Zinc and Calcium Deficiency on Growth of Weanling Rats" Dammam University, 25-27 May, 2014.

SalaheldinAbdelsalam, and Omar Elmenshawy (2012)Superoxide dismutase, Glutathione-S-Transferase and Phosphatase of the Midge,Chironomuscalipterus as Biomarkers for Exposure to Excess Nitrogen and Phosphorus. AssiutUniv.J. of Zoology 41 ( 2 ),p-p 1-13.

SalaheldinAbdelsalam, Elmenshawy OM (2010) Assessing pollution in the agricultural runoff using Superoxide dismutase, glutathione S-transferase and acid phosphatase as biomarkers in the midge (*Chironomuscalipterus*). The 25th Meeting of Saudi Biological Society, Nanotechnology in Life sciences, Al-hasa City, King Faisal University, 11-13 May 2010.